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# **Industrial Accidents Western Australia 1987-88**

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## EXPLANATORY NOTES

### Introduction

The statistics published in this bulletin relate to all industrial accidents involving time lost from work of one day or more, OCCURRING during the year ended 30 June 1987. The statistics are comparable with those published in the 1981-82 and later bulletins but not with those published in earlier bulletins because statistics before 1981-82 relate only to claims for workers' compensation reported to have been CLOSED during the respective years.

### 2. Scope

2.1 Workers covered by the Western Australian *Workers' Compensation and Assistance Act 1981* are included in the statistics. Industrial accidents resulting in the death of, or injury to, self-employed persons and persons employed by the Commonwealth Government are not included.

2.2 The exclusion of self-employed persons is likely to have considerable effect in industries where self-employment is significant (eg. retail trade, rural industries). Because of the exclusion of Commonwealth Government employees some industries are not covered (eg. defence forces and communication).

### 3. Coverage

3.1 Reports relating to accident claims are forwarded to the Australian Bureau of Statistics by the Workers' Compensation and Rehabilitation Commission which obtains the information from insurers and self-insurers under authority of the *Workers' Compensation and Assistance Act 1981*. The accuracy of collection coverage (ie whether reports of all accidents involving time lost from work of one day or more are actually submitted to the Workers' Assistance Commission) is very difficult to control because of the diverse administrative systems maintained by the insurers. The data should be used with the knowledge that coverage between years may not be consistent and this may affect the validity of statistical trends which become apparent.

### 4. Definitions

4.1 *Industrial accident*. An industrial accident is any work injury or disease compensable under the provisions of the *State Workers' Compensation and Assistance Act 1981* which causes the death of the employee or absence from work for one day (or shift) or more. The term also includes compensable

accidents which occur when travelling between place of residence and workplace (journey cases) and those which occur during work breaks (recess cases).

4.2 *Industrial disease*. An industrial 'disease' is distinguishable from an 'accident' because of one or more of the following characteristics:

- the slow and protracted nature of its cause;
- its ascribability to repeated or continuous action of a mechanical, physical or chemical nature. It is not the effect of a single event but of a cause acting imperceptibly and constantly;
- the uncertain time of its beginning.

4.3 *Special note - Journey and recess accidents, industrial diseases*

4.3.1 Journey and recess accidents are excluded from Tables 1 through 8 and 10.

4.3.2 Details of industrial diseases have not been included in tables in this bulletin. Problems in obtaining complete coverage; reporting inconsistencies in the treatment of repetitive strain injuries; and, the classification of infectious and contagious diseases such as hepatitis which are contracted at the workplace but do not come within the International Labour Office definition of 'disease', have rendered the data unreliable.

4.4 *Reopened claim*. An industrial accident previously treated as closed but for which the insurer accepts that further incapacity, additional medical treatment or time lost from work are directly attributable to the original accident. Claims closed and reopened in the current year are counted only once in the tables but the total cost and time lost incurred during the year are included. Details of reopened claims relating to earlier years are not included in the tables.

4.5 *Estimated claim*. A claim which has not been closed prior to the cut-off date for publication of these statistics. In these cases insurers submit a report in which details of total time lost and cost are estimated. The choice of method used to estimate unfinalised claims is at the discretion of the insurer or self insurer and, although it is usually based on previous claims experience, a high degree of subjectivity is involved. These figures should therefore be interpreted with caution.



4.6 *Cost of claim.* Includes compensation for wages and salaries lost, for hospital and medical expenses, lump sum payments and payments made under common law. (See also 4.5 – Estimated Claim).

4.7 *Time lost from work.* For closed claims it is the actual time lost from work; for unclosed claims it is an estimate of the total time likely to be lost. Claims relating to fatal accidents and accidents where the outcome is permanent total disability do not have time lost included in the statistics. Other claims are restricted to a maximum time lost of one year for statistical purposes. This constraint applies because the statistics are compiled in discrete yearly groups. (See also 4.5 – Estimated Claim).

4.8 *Fatal accidents or disease.* Cases where death results from a compensable accident or disease. Includes cases where an employee has subsequently died as a result of injuries received at work, as well as cases where an employee is killed at work.

4.9 *Permanent disability.* Is an injury or disease which does not cause death but results in the complete loss or loss of use of any member or any part of any member of the body, or any permanent impairment of functions of the body or part thereof.

4.10 *Temporary disability.* Is an injury or disease which does not result in death or a permanent disability.

## 5 Classification

5.1 *Industry classification.* The workplace of the employee is classified in accordance with the 1983 edition of the *Australian Standard Industrial Classification* (ASIC).

5.2 *Type of accident.* The classification is based on recommendations made by the International Labour Office.

5.2.1 The 'Type of accident' is defined by the International Labour Office as (i) the manner of contact of the injured person with the object or substance or (ii) the exposure or movement of the injured person which resulted in the injury.

5.3 *Agency of accident.* The classification is based on recommendations made by the International Labour Office.

5.3.1 The 'Agency of accident' is the object, substance or circumstances most closely associated with the injury and which, in general, could have been guarded against or corrected. A distinction should be made between the agency of injury and agency of accident,

eg., a fire damp explosion may result in a miner being crushed by a falling beam. In this instance the agency of injury is the beam but the agency of accident is the material responsible for the explosion.

5.4 *Nature of injury and disease.* The classification is based on appropriate chapters of the Ninth Revision (1975) of the World Health Organisation's *'International Statistical Classification of Diseases, Injuries and Causes of Death'* adjusted, where necessary, to ensure classification to the principal original injury.

5.5 *Site of injury.* The classification is broadly comparable to that recommended by the International Labour Office.

5.6 *Occupation classification.* Details of occupation have been classified in accordance with the 1981 Population Census Classification of Occupations.

## 6 Unpublished information

6.1 More detailed statistics relating to accidents by industry, occupation group, type of accident, agency of accident, sex, etc, are available on request. In this connection the attention of users of these statistics is drawn to statistical tables listed below which are available on request.

### 6.2 Industrial accidents

Site of injury by type of accident by sex.  
 Site of injury by agency of accident by sex.  
 Nature of injury by agency of accident by sex.  
 Nature of injury by type of accident by sex.  
 Age group by agency of accident by sex.  
 Age group by type of accident by sex.  
 Occupation group by agency of accident by sex.  
 Occupation group by type of accident by sex.  
 Occupation group by nature of injury by sex.

7. From 1 January 1988, most ABS products and services became chargeable. Current publications produced by the ABS are listed in the *Catalogue of Publications, Australia* (1101.0), which is available free of charge from any ABS Office.

Symbols and other usages.

r figure or series revised since previous issue  
 – nil or rounded to zero  
 n.e.c. not elsewhere classified.

8. Where figures have been rounded, discrepancies may occur between sums of the component items and totals.



# No. 1 - TOTAL ACCIDENTS: INDUSTRY DIVISION, TIME LOST AND COST OF CLAIMS, 1985-86 - 1987-88

Industry division or subdivision	Number of accidents			Time lost (weeks)			Total cost (\$'000)		
	1985-86	1986-87	1987-88	1985-86	1986-87	1987-88	1985-86	1986-87	1987-88
Agriculture, forestry, fishing and hunting	1,463	1,326	1,343	7,022	6,475	6,551	5,547	4,848	4,852
Mining	2,817	2,831	2,718	14,740	14,552	12,884	1,4185	13,937	11,981
<b>Total</b>	<b>4,280</b>	<b>4,157</b>	<b>4,061</b>	<b>21,762</b>	<b>21,026</b>	<b>19,435</b>	<b>19,731</b>	<b>18,785</b>	<b>16,833</b>
Manufacturing -									
Food, beverages and tobacco	1,616	1,630	1,559	5,953	4,936	5,283	4,421	3,270	4,080
Wood, wood products and furniture	976	956	999	3,783	3,902	3,823	3,567	3,674	2,962
Glass, clay and other nonmetallic mineral products	772	630	556	2,947	2,575	2,196	2,671	2,722	2,035
Basic metal products	434	405	490	1,250	1,346	1,481	1,041	1,267	1,446
Fabricated metal products	1,650	2,178	1,649	4,847	7,055	4,976	3,973	6,540	4,555
Other manufacturing	2,902	2,874	2,773	10,369	10,074	8,978	8,480	7,990	7,949
<b>Total</b>	<b>8,350</b>	<b>8,673</b>	<b>8,026</b>	<b>29,149</b>	<b>29,888</b>	<b>26,738</b>	<b>24,153</b>	<b>25,463</b>	<b>23,027</b>
Electricity, gas and water	1,004	870	891	6,139	5,746	5,902	6,093	4,825	5,625
Construction	3,793	3,820	3,422	19,262	18,368	14,956	17,525	16,542	14,291
Wholesale and retail trade	4,361	4,163	4,212	15,200	14,370	13,193	11,554	11,997	11,236
Transport and storage	2,107	1,866	1,801	10,646	9,916	8,544	9,094	7,956	6,936
Finance, property and business services	1,111	1,192	1,115	6,616	6,919	4,362	5,698	5,690	3,580
Public administration and defence	2,070	1,644	1,503	11,650	9,164	7,830	9,765	7,677	6,096
Community services	4,717	4,551	4,556	32,753	28,053	28,958	27,379	22,547	23,094
Recreation, personal and other services	1,432	1,469	1,354	7,921	7,250	6,896	6,701	5,708	5,246
Other industries	2	1	2	26	2	2	14	1	1
<b>Total</b>	<b>20,597</b>	<b>19,576</b>	<b>18,856</b>	<b>110,212</b>	<b>99,788</b>	<b>90,642</b>	<b>93,824</b>	<b>82,942</b>	<b>76,104</b>
<b>GRAND TOTAL</b>	<b>33,227</b>	<b>32,406</b>	<b>30,943</b>	<b>61,123</b>	<b>150,704</b>	<b>136,815</b>	<b>137,709</b>	<b>27,190</b>	<b>115,964</b>



**No. 2 – TOTAL ACCIDENTS: INDUSTRY DIVISION AND AGENCY OF ACCIDENT, 1987-88**

Industry division or subdivision	Agency of accident						Agency not identified	Total
	Machinery	Lifting equipment and means of transport	Other equipment	Chemicals and other materials and substances	Working environment	Other agency		
Number of accidents								
Agriculture, forestry, fishing and hunting	218	162	158	319	170	251	65	1,342
Mining	460	316	451	1,000	295	60	136	2,718
<b>Total</b>	<b>678</b>	<b>478</b>	<b>609</b>	<b>1,319</b>	<b>465</b>	<b>311</b>	<b>201</b>	<b>4,061</b>
Manufacturing –								
Food, beverages and tobacco	119	120	438	450	200	190	42	1,559
Wood, wood products and furniture	145	62	238	436	74	9	35	999
Glass, clay and other nonmetallic mineral products	41	58	106	263	59	5	24	556
Basic metal products	54	40	124	180	53	2	37	490
Fabricated metal products	274	86	413	708	102	13	53	1,649
Other manufacturing	394	197	654	1,123	258	56	91	2,773
<b>Total</b>	<b>1,027</b>	<b>563</b>	<b>1,973</b>	<b>3,160</b>	<b>746</b>	<b>275</b>	<b>282</b>	<b>8,026</b>
Electricity, gas and water	33	62	201	405	130	59	} 113 {	891
Construction	274	287	960	1,315	413	61		3,422
Wholesale and retail trade	307	426	912	1,747	518	111	191	4,212
Transport and storage	49	425	270	652	252	82	71	1,801
Finance, property and business services	93	129	276	382	166	31	38	1,115
Public administration and defence	106	236	281	498	235	116	31	1,503
Community services	103	476	873	978	775	1,197	154	4,556
Recreation, personal and other services	82	71	281	410	297	151	62	1,354
Other industries	–	–	–	2	–	–	–	2
<b>Total</b>	<b>1,047</b>	<b>2,112</b>	<b>4,054</b>	<b>6,389</b>	<b>2,786</b>	<b>1,808</b>	<b>660</b>	<b>18,856</b>
<b>GRAND TOTAL</b>	<b>2,752</b>	<b>3,153</b>	<b>6,636</b>	<b>10,868</b>	<b>3,997</b>	<b>2,394</b>	<b>1,143</b>	<b>30,943</b>
Per cent of total	8.9	10.2	21.4	35.1	12.9	7.7	3.7	100.0



### No. 3 - TOTAL ACCIDENTS: INDUSTRY DIVISION AND TYPE OF ACCIDENT, 1987-88

Industry division or subdivision	Type of accident								Total
	Fall of a person	Falling object or substance	Stepping on, striking against, struck by an object	Caught in or between objects	Over exertion or physical stress movement	Exposure to or contact with extreme temperature	Exposure to or contact with harmful substance or radiation	Other	
	Number of accidents								
Agriculture, forestry, fishing and hunting	227	33	515	86	356	15	14	97	1,343
Mining	379	138	796	225	878	55	87	160	2,718
<b>Total</b>	<b>606</b>	<b>171</b>	<b>1,311</b>	<b>311</b>	<b>1,234</b>	<b>70</b>	<b>101</b>	<b>257</b>	<b>4,061</b>
Manufacturing –									
Food, beverages and tobacco	230	72	570	110	448	64	31	34	1,559
Wood, wood products and furniture	94	91	343	132	297	10	3	29	999
Glass, clay and other nonmetallic mineral products	100	54	134	51	182	6	16	13	556
Basic metal products	69	33	137	35	155	15	23	23	490
Fabricated metal products	150	146	620	145	424	45	89	30	1,649
Other manufacturing	339	223	889	260	778	80	126	78	2,773
<b>Total</b>	<b>982</b>	<b>619</b>	<b>2,693</b>	<b>733</b>	<b>2,284</b>	<b>220</b>	<b>288</b>	<b>207</b>	<b>8,026</b>
Electricity, gas and water	146	41	221	54	351	10	15	53	891
Construction	653	252	963	218	1,036	77	71	152	3,422
Wholesale and retail trade	715	342	1,174	271	1,363	114	74	159	4,212
Transport and storage	406	94	433	102	617	26	21	102	1,801
Finance, property and business services	196	67	329	77	289	28	59	70	1,115
Public administration and defence	299	66	395	61	549	13	17	103	1,503
Community services	930	129	823	157	2,072	90	49	306	4,556
Recreation, personal and other services	} 353	56	349	61	376	93	21	47	1,356
Other industries									
<b>Total</b>	<b>3,698</b>	<b>1,047</b>	<b>4,687</b>	<b>1,001</b>	<b>6,653</b>	<b>451</b>	<b>327</b>	<b>992</b>	<b>18,856</b>
<b>GRAND TOTAL</b>	<b>5,286</b>	<b>1,837</b>	<b>8,691</b>	<b>2,045</b>	<b>10,171</b>	<b>741</b>	<b>716</b>	<b>1,456</b>	<b>30,943</b>
Per cent of total	17.1	5.9	28.1	6.6	32.9	2.4	2.3	4.7	100.0



# No. 4 - TOTAL ACCIDENTS: SITE OF INJURY AND TYPE OF ACCIDENT, 1987-88

Site of injury	Type of accident								Total
	Fall of a person	Falling object or substance	Stepping on, striking against, struck, by an object	Caught in or between objects	Over exertion or physical stress movement	Exposure to or contact with extreme temperature	Exposure to or contact with harmful substance or radiation	Other	
Number of accidents									
Head	152	123	2,666	16	8	95	480	121	3,661
Neck	97	41	150	4	558	3	} 14	{ 314	1,168
Trunk	1,341	124	362	38	6,741	26		{ 171	8,816
Upper limbs	938	704	3,704	1,724	1,953	347	50	303	9,723
Lower limbs	2,320	780	1,656	235	694	193	40	220	6,138
Multiple locations	436	62	148	28	215	68	23	254	1,234
General locations	} 2	3	5	—	2	9	109	73	203
Other									
Total accidents	5,286	1,837	8,691	2,045	10,171	741	716	1,456	30,943
Average time lost (weeks)	7.6	4.2	3.3	4.9	8.3	2.5	2.1	10.4	6.1

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# No. 5 - TOTAL ACCIDENTS: AGENCY OF ACCIDENT AND TIME LOST, 1987-88

Agency of accident	Accidents involving			
	Males		Females	
	Number	Time lost (weeks)	Number	Time lost (weeks)
<b>MACHINERY</b>				
Motor or other source of mechanical power -				
Internal combustion engine	48	322.2	}	
Other - including steam engine	9	72.8		
Transmission machinery -				
Transmission shaft	5	8.6		
Transmission belt, cable, rope, pulley, etc	25	154.2	}	
Other	2	7.0		
Metal working machinery -				
Power press	59	251.4	}	17
Turning, boring, drilling, reaming, milling machine	109	245.4		
Abrasive, grinding machine	429	482.8		
Mechanical shear, slicer or guillotine	40	87.8		
Forging machine	3	6.4		
Rolling mill	9	19.2		
Other - including power hacksaw	96	297.0		
Woodworking machinery -				
Circular saw	22	246.0	}	3
Other saw	86	283.6		
Moulding machine	8	41.0		
Planing machine	21	78.6		
Log peeling machine	}	44	}	6.6
Other				
Agriculture machinery -				
Harvester (all types)	21	139.0	}	12
Plough, harrow, cultivator, other tilling machine	2	1.8		
Milk production and processing plant	-	-		
Stock shearing plant	132	369.4		
Equipment primarily for agricultural purposes	31	145.8	}	43.0
Grass cutting machine	27	107.4		
Other	22	131.4		
Mining and quarrying machinery -				
Mechanical mining and quarrying equipment	60	334.8	}	11
Roof bolting machine	6	17.0		
Oil, gas, water drilling equipment	57	251.2		
Rotary and/or percussive rock drill	57	358.2		
Ore/stone crushing, pulverising, screening, dressing machine	25	107.2		
Other	93	501.0		



**No. 5 – TOTAL ACCIDENTS: AGENCY OF ACCIDENT AND TIME LOST, 1987–88 (continued)**

Agency of accident	Accidents involving			
	Males		Females	
	Number	Time lost (weeks)	Number	Time lost (weeks)
<b>MACHINERY – continued</b>				
Earthmoving etc, and road making machinery				
Concrete mixer	25	112.6	}	40.2
Front end loader, back hoe and like machine	141	866.2		
Grading, scraping, excavating and like machine	49	100.6		
Other roadmaking machinery	30	237.8		
Other earthworking machine	33	325.0		
Machinery for manufacture or processing foodstuffs and beverages				
Cutting, slicing, n.icing, mixing machine	103	344.8	78	195.8
Packing, bottling, wrapping machine	20	52.8	26	248.6
Baking and food processing oven	37	42.2	18	72.6
Other	20	50.2	13	90.8
Other machinery n.e.c.				
Textile, clothing, footwear making machine	24	82.6	33	202.4
Paper and paper board manufacturing machine	3	2.8	}	173.8
Printing machine	35	181.4		
Compressor, pump and windmill	80	150.6		
Machine unspecified	39	188.7		
Other machinery	252	1,190.2		
<b>Total</b>	<b>2,439</b>	<b>9,172.2</b>	<b>313</b>	<b>1,672.4</b>
<b>LIFTING EQUIPMENT AND MEANS OF TRANSPORTATION</b>				
Lifting equipment				
Crane	108	685.0	}	151.8
Lift, elevator, escalator	74	296.8		
Hoist or winch (power operated)	19	47.4		
Hoist, winch, pulley, chain block, etc (hand operated)	39	239.2		
Forklift, pallet truck and the like	249	1,020.2		
Lifting jack	46	171.4		
Other	42	201.0		
Rail transportation				
Railway and tramway in mine workings, construction sites and the like	39	211.6	}	0.4
Other railway and tramway	30	114.6		
Wheeled transportation other than rail				
Tractor	93	567.6	4	8.4
Lorry or truck	611	3,469.8	28	125.2
Omnibus	91	893.4	17	157.6
Car or station wagon	538	4,116.2	299	2,970.4
Motor cycle or scooter	132	897.0	11	92.6
Trailer and caravan	73	384.8	7	10.2
Other	344	1,588.0	168	1,232.4



No. 5 – TOTAL ACCIDENTS: AGENCY OF ACCIDENT AND TIME LOST, 1987–88 (continued)

Agency of accident	Accidents involving			
	Males		Females	
	Number	Time lost (weeks)	Number	Time lost (weeks)
LIFTING EQUIPMENT AND MEANS OF TRANSPORTATION – continued				
Air transportation –				
Aircraft used in fire-fighting, crop-dusting, etc	–	–		
Other aircraft	11	38.6	}	
Water transportation and marine installations –				
Motorised craft	33	211.2		
Non motorised craft and marine installation	11	72.8		1 4.0
Other means of transportation n.e.c. –				
Cable car, ski-tow	–	–		
Other	5	3.6		
<b>Total</b>	<b>2,588</b>	<b>15,230.2</b>	<b>565</b>	<b>4,753.0</b>
OTHER EQUIPMENT				
Pressure vessel –				
Boiler	3	2.4	}	
Pressurised container	16	75.6		
Pressurised piping and accessories	115	247.0		
Gas cylinder	65	237.2		
Caisson	–	–	}	
Other	16	100.4		12 14.4
Furnace, oven or kiln –				
Furnace	19	43.6	}	
Kiln	6	14.2		
Oven	4	5.8		
Refrigerating plant and equipment –				
Refrigerating plant and equipment	41	150.6	10	22.2
Electrical installation (excluding hand tools) –				
Rotating machine	23	60.6	}	
Transmission and distribution line	41	170.0		
Transformer	4	7.0		18 96.8
Control apparatus	34	55.0		
Other	38	242.4		
Electric hand tool or appliance –				
Abrasive planing or cutting tool	367	609.4	6	25.8
Drill	163	424.2	–	–
Soldering iron	7	3.0	}	
Arc welder	480	507.6		6 16.8
Cooking appliance	15	66.0	28	59.8
Other	88	402.4	36	272.6



No. 5 - TOTAL ACCIDENTS: AGENCY OF ACCIDENT AND TIME LOST, 1987-88 (continued)

Agency of accident	Accidents involving			
	Males		Females	
	Number	Time lost (weeks)	Number	Time lost (weeks)
OTHER EQUIPMENT - continued				
Powered hand tool, other than electric -				
Pneumatic tool	112	270.6	}	9
Oxyacetylene torch, blowtorch and the like	98	198.8		
Gun	22	31.8		
Chain saw	53	263.8		
Other	31	143.4		
Handtool, implement and appliance, not powered -				
Knife	785	1,340.0	}	190
Chisel, awl, screwdriver and the like	91	187.4		
Axe, adze, pickaxe, hatchet, cleaver, slasher and the like	48	129.4		
Shovel, spade, hoe, fork, rake, lawn edger and the like	188	1,080.4	}	7
Hammer, mallet and the like	358	1,116.4		
Wrench, spanner and the like	156	485.2		
Bale and hook implement	13	67.8	}	3
Broom, mop and similar implement	20	136.0		
Other	224	803.6		
Other equipment -				
Scientific and laboratory equipment	19	92.6	20	173.6
Electrical equipment n.e.c.	106	371.8	138	1,463.8
Furniture and fittings	620	2,785.8	370	2,003.0
Ladder, mobile ramp, stairway, steps and the like	550	2,965.8	73	415.2
Scaffolding (fixed, suspended, mobile)	280	2,122.6	4	53.4
Other n.e.c.	230	950.2	73	530.6
<b>Total</b>	<b>5,549</b>	<b>18,967.8</b>	<b>1,087</b>	<b>6,304.0</b>
CHEMICALS AND OTHER MATERIALS AND SUBSTANCES				
Basic chemicals -				
Industrial gases	46	152.2	4	2.2
Arsenic and arsenic compounds	}	9	5	1.4
Chlorine				
Lead compounds				
Mercury compounds	-	-	}	38
Plastic materials, synthetic resin, synthetic rubber and industrial solvent	11	47.0		
Radioactive and associated material	-	-		
Acid	75	90.8		
Other basic chemicals	105	210.0		



**No. 5 – TOTAL ACCIDENTS: AGENCY OF ACCIDENT AND TIME LOST, 1987–88 (continued)**

Agency of accident	Accidents involving			
	Males		Females	
	Number	Time lost (weeks)	Number	Time lost (weeks)
<b>CHEMICALS AND OTHER MATERIALS AND SUBSTANCES – continued</b>				
Other chemical products –				
Insecticide, fungicide, weedkiller and the like	9	11.8	}	33.4
Paint, varnish and related material	39	80.0		
Asphalt, tar, bitumen and pitch	4	4.6		
Explosive material (made for the purpose)	3	53.8		
Smoke, fire and flame	19	68.4		
Other chemical product n.e.c.	82	81.2		
Nonmetallic minerals, materials or manufactures –				
Abrasive powder, grain, grit	56	69.6	3	0.8
Brick, slab, tile, paving block, pipe	744	4,108.8	26	186.8
Cement and lime	41	79.8	}	181.6
Glass and glassware	190	504.0		
Dust	263	234.8	6	3.6
Other nonmetallic minerals or manufactures	126	587.8	14	73.6
Other material, substance or object n.e.c. –				
Oil and fat, animal and vegetable	35	231.4	24	232.6
Tree felled for processing, sawn or dressed timber	663	2,486.8	23	99.6
Ferrous and nonferrous metal	2,612	8,576.6	80	278.2
Bag, bale, bundle, containing goods or materials	499	2,109.4	169	1,155.0
Crate, box, case, carton, drum, tin, bin	1,641	6,846.0	560	2,771.8
Protruding stake, nail, wire, splinter, wiretie, bale, strap etc	159	295.6	13	70.0
Water, beverage, steam	122	290.2	134	462.0
Fragment n.e.c.	416	303.4	21	16.0
Other material, substance or object	1,414	7,124.6	271	1,793.6
<b>Total</b>	<b>9,383</b>	<b>34,654.0</b>	<b>1,485</b>	<b>7,408.8</b>



**No. 5 - TOTAL ACCIDENTS: AGENCY OF ACCIDENT AND TIME LOST, 1987-88 (continued)**

Agency of accident	Accidents involving			
	Males		Females	
	Number	Time lost (weeks)	Number	Time lost (weeks)
<b>WORKING ENVIRONMENT</b>				
Outdoor -				
Weather	22	43.8	3	5.0
Traffic and working surfaces	991	4,496.6	140	694.8
Water	41	174.6	10	120.6
Demolition activity n.e.c.	3	8.0	-	-
Tree, branch, other vegetation	182	618.8	27	201.0
Gate, fence and the like	79	348.0	7	109.6
Other	172	1,142.2	48	228.6
Indoor -				
Floor or other working surface	831	2,915.4	597	3,491.4
Step, stairway	325	1,507.0	182	807.0
Floor, wall or ceiling opening	67	470.2	56	308.0
Environment	19	105.2	18	87.8
Other	58	318.0	54	408.8
Underground -				
Roof, floor or face of mine or tunnel	41	300.6	}	16.8
Mine shaft	6	74.8		
Fire	4	11.2		
Water	4	6.6		
Other n.e.c.	7	75.8		
<b>Total</b>	<b>2,852</b>	<b>12,616.8</b>	<b>1,145</b>	<b>6,479.4</b>
<b>OTHER AGENCY N.E.C.</b>				
Animal -				
Live animal	329	2,018.0	70	663.6
Carcass	102	386.6	8	81.6
Bone	48	49.0	2	3.2
Other animal product	67	207.4	19	130.8
Insect or spider -				
Insect or spider	140	104.4	26	66.0
Human -				
Morbid condition	15	170.4	5	64.8
Personal condition	96	289.0	32	182.6
Human body	473	3,041.2	832	6,189.6
Other and not identified agency	950	4,062.6	323	1,845.6
<b>Total</b>	<b>2,220</b>	<b>10,328.6</b>	<b>1,317</b>	<b>9,227.8</b>
<b>GRAND TOTAL</b>	<b>25,031</b>	<b>100,969.6</b>	<b>5,912</b>	<b>35,845.4</b>



# No. 6 - NON-FATAL ACCIDENTS: AGE GROUP AND TYPE OF ACCIDENT, 1987-88

Age group	Type of accident							Other	Total				
	Fall of a person	Falling object or substance	Stepping on, striking against, struck, by an object	Caught in or between objects	Over exertion or physical stress movement	Exposure to or contact with extreme temperature	Exposure to or contact with harmful substance or radiation						
Number of accidents													
Under 15	13	}	320	{	17	3	14	}	145	126	147	{	52
15 – 19	554		1,322	370	894								
20 – 24	794	367	1,730	411	1,611	175	169	283	5,540				
25 – 29	806	287	1,515	330	1,531	122	133	262	4,986				
30 – 34	600	189	1,109	235	1,307	76	93	192	3,801				
35 – 39	610	200	878	180	1,284	62	69	160	3,443				
40 – 44	545	134	724	158	1,137	58	55	126	2,937				
45 – 49	458	119	477	128	843	41	35	105	2,206				
50 – 54	375	102	328	92	670	29	14	81	1,691				
55 – 59	318	68	305	81	497	22	9	42	1,342				
60 – 64	121	30	116	33	210	3	7	20	540				
65 and over	23	5	44	4	22	}	8	6	{	4	106		
Age not stated	65	15	126	19	151			29	415				
Total	5,282	1,836	8,691	2,044	10,171	741	716	1,451	30,932				



# No. 7 – NON-FATAL ACCIDENTS: OCCUPATION GROUP AND TYPE OF ACCIDENT, 1987–88

Occupation group	Type of accident							Other	Total
	Fall of a person	Falling object or substance	Stepping on, striking against, struck, by an object	Caught in or between objects	Over exertion or physical stress movement	Exposure to or contact with extreme temperature	Exposure to or contact with harmful substance or radiation		
Number of accidents									
Professional, technical and related	335	51	332	76	797	23	38	167	1,819
Administrative, executive and managerial	124	26	86	26	135	10	5	28	440
Clerical	216	24	118	19	345	5	5	113	845
Sales	273	90	237	60	462	28	13	60	1,223
Farmers, fishermen and related	288	53	613	99	479	17	13	114	1,676
Miners, quarrymen and related	203	101	428	139	422	20	26	70	1,409
Transport and communication	489	99	454	120	741	17	22	189	2,131
Tradesmen, production— process and labourers n.e.c. —									
Textile, clothing and leather	21	9	50	25	67	} 206	282	{ 10	183
Fitters, mechanics, boilermakers etc	498	383	1,953	359	1,315				
Electricians and related	143	24	221	35	264	17	20	62	786
Metal and electrical process	152	89	412	99	295	34	78	30	1,189
Carpenters, woodworkers etc	158	93	413	142	351	10	3	19	1,189
Painters and decorators	65	14	63	18	89	6	10	6	271
Bricklayers, construction etc	205	65	272	43	335	9	18	25	972
Printers and related	16	10	23	30	47	—	4	3	133
Food and drink	79	36	516	74	209	25	8	15	962
Paper, plastic and chemical	34	16	79	37	78	6	11	10	271
Packers, storemen, freighthandlers	327	155	354	98	747	10	14	52	1,757
Factory workers, labourers etc	789	378	1,339	421	1,603	120	101	230	4,981
Service, sport and recreation	858	} 120	{ 715	} 124	{ 1,378	} 178	45	127	{ 3,542
Other occupations	9		{ 13		{ 12				
Total	5,282	1,836	8,691	2,044	10,171	741	716	1,451	30,932



# No. 8 – NON-FATAL ACCIDENTS: NATURE OF INJURY AND AGENCY OF ACCIDENT, 1987–88

Nature of injury	Agency of accident							Total	Average time lost (weeks)
	Machinery	Lifting equipment and means of transport	Other equipment	Chemicals and other materials and substances	Working environment	Other agency	Agency not identified		
	Number of accidents								
Fracture	136	262	278	406	299	129	14	1,524	8.9
Dislocation	10	17	28	43	27	11	13	149	9.5
Sprains and strains	726	1,504	2,280	5,067	2,262	1,539	988	14,366	5.7
Concussion and other intercranial injury	17	40	36	36	25	19	13	174	4.7
Internal injury of chest, abdomen, pelvis	9	7	46	134	11	16		235	7.6
Open wound	873	325	1,846	1,628	278	261	27	5,238	2.4
Superficial injury	444	89	522	1,369	124	72	22	2,642	1.0
Contusion with intact skin surface and crushing injuries n.e.c.	419	754	909	1,363	833	245	54	4,577	3.1
Burns	92	20	593	632	56	7	4	1,400	1.7
Poisoning	—			112	—	50	—	165	2.0
Effects of weather exposure and related conditions	2			3	15	—	1	28	1.6
Asphyxia	6	—	48	—	—	—	—	54	0.2
Effects of electric current								54	2.6
Multiple injuries	17	130	44	73	66	43	7	364	11.7
Other and unspecified injuries								3	8.4
No injury involved								13	1.6
<b>Total</b>	<b>2,751</b>	<b>3,148</b>	<b>6,636</b>	<b>10,866</b>	<b>3,996</b>	<b>2,392</b>	<b>1,143</b>	<b>30,932</b>	<b>4.4</b>



No. 9 - TOTAL JOURNEY AND RECESS ACCIDENTS: AGE GROUPS BY TYPE OF ACCIDENT, TIME LOST AND COST, 1987-88

Age group	Type of accident				Total time lost (weeks)	Average time lost per claim (days)	Total cost (\$'000)	Average cost per claim (\$)			
	Vehicle	Fall, falling object, stepping on, striking against, struck by	All other	Total							
Number of journey accidents											
Under 20	209	36	8	253	1,179	23.3	857	3,387			
20 – 24	275	42	11	328	1,848	28.2	1,468	4,475			
25 – 29	195	34	11	240	1,280	26.7	941	3,922			
30 – 34	158	30	10	198	1,185	29.9	949	4,795			
35 – 39	110	33	6	149	1,116	37.4	797	5,348			
40 – 44	102	35	7	144	1,149	39.9	1,089	7,566			
45 – 49	77	19	8	104	844	40.6	673	6,470			
50 – 54	48	15	2	65	651	50.1	471	7,244			
55 – 59	25	14	6	45	350	38.9	321	7,130			
60 – 64	}	}	}	}	210	45.7	181	7,890			
65 and over					229	10.0	247	4,000			
Age not stated					{ 45.4	}	{ 9,701				
Total	1,236	267	72	1,575	10,042	31.9	7,994	5,076			
Number of recess accidents											
Under 20	}	}	5	4	9	18	10.2	13	1,398		
20 – 24			8	–	11	56	25.4	38	3,415		
25 – 29			6	3	12	24	10.2	14	1,153		
30 – 34			5	2	8	89	55.8	112	13,993		
35 – 39			3	3	7	22	15.6	37	5,235		
40 – 44			3		5	60	59.8	86	17,260		
45 – 49			4	2	6	60	49.7	31	5,115		
50 – 54			2	–	3	13	21.3	26	8,585		
55 – 59			}	}	–	}	}	}	}	}	
60 – 64					2						–
65 and over					–						–
Age not stated			–								
Total	11	38	14	63	345	27.4	358	5,683			



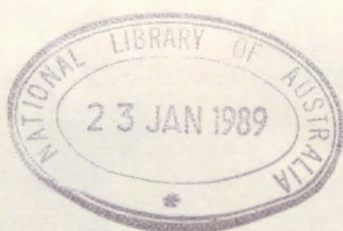
**No. 10 – TOTAL ACCIDENTS: DAY OF WEEK OF ACCIDENT AND AGE GROUP, 1987–88**

<i>Day of week</i>	<i>Age groups</i>												<i>Age not stated</i>	<i>Total</i>
	<i>Under 15</i>	<i>15–19</i>	<i>20–24</i>	<i>25–29</i>	<i>30–34</i>	<i>35–39</i>	<i>40–44</i>	<i>45–49</i>	<i>50–54</i>	<i>55–59</i>	<i>60–64</i>	<i>65 and over</i>		
Monday	11	811	1,100	995	727	715	590	421	349	284	114	22	87	6,226
Tuesday	6	793	1,094	981	817	663	555	445	315	246	104	18	96	6,133
Wednesday	9	787	1,120	985	731	657	572	439	289	229	104	18	68	6,008
Thursday	17	718	1,007	910	649	597	483	390	302	247	89	23	56	5,488
Friday	6	528	770	652	510	473	439	283	286	226	79	14	65	4,331
Saturday	2	149	283	309	229	216	185	129	91	60	28	6	32	1,719
Sunday	1	88	169	155	140	123	113	99	60	50	23	5	12	1,038
<b>Total</b>	<b>52</b>	<b>3,874</b>	<b>5,543</b>	<b>4,987</b>	<b>3,803</b>	<b>3,444</b>	<b>2,937</b>	<b>2,206</b>	<b>1,692</b>	<b>1,342</b>	<b>541</b>	<b>106</b>	<b>416</b>	<b>30,943</b>



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